California Environmental Protection Agency
Department of Toxic Substances Control

HAZARDOUS WASTE FACILITY PERMIT

Facility Name:
Hitachi Global Storage Technologies, Incorporated
5600 Cottle Road
San Jose, California 95193-0001

Owner and Operator Name:
Hitachi Global Storage Technologies, Incorporated
5600 Cottle Road
San Jose, California 95193-0001

Permit Number: 05-SAC-02

Facility EPA ID Number:
CAR 000 128 793

Effective Date of Permit:
May 16, 2005

Expiration Date of Permit:
May 15, 2015

Date Modified:
[draft August 31, 2007]

Modification Number:

Pursuant to California Code of Regulations, title 22, section 66270.41, the Hazardous Waste Facility Permit issued May 16, 2005, effective May 16, 2005, and modified November 17, 2005, is hereby modified to address removal of the Redevelopment Property. All pages of the November 17, 2005 permit are affected by this modification. Revised pages, labeled as "Revised draft August 31, 2007" are hereby incorporated into the approved permit, replacing the original pages. The revised permit consists of 89 pages including Attachments.

Mohinder S. Sandhu. P.E., Chief
Standardized Permitting and Corrective Action Branch
Department of Toxic Substances Control

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Hitachi Global Storage Technologies, Inc.
5600 Cottle Road, San Jose, CA, 95193-0001

HAZARDOUS WASTE FACILITY PERMIT
ATTACHMENT "A"
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HAZARDOUS WASTE FACILITY PERMIT

Hitachi Global Storage Technologies, Inc.
5600 Cottle Road
San Jose, California 95193-0001
CAR 000 128 793

PART I. DEFINITIONS

All terms used in this Permit shall have the same meaning as those terms have in the California Health and Safety Code, Division 20, Chapter 6.5 and Title 22, California Code of Regulations, Division 4.5, unless expressly provided otherwise by this Permit.

1. **"DTSC"** as used in this Permit means the California Environmental Protection Agency, Department of Toxic Substances Control.

2. **"Facility"** as used in this Permit means the 158-acre property under the control of Hitachi Global Storage Technologies, Incorporated, including structures, other appurtenances, and improvements on the land used for the treatment, transfer, and storage of hazardous waste, consistent with the definition of "hazardous waste facility" in California Code of Regulations, title 22, section 66210.10.

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3. **"Permittee"** as used in this Permit means the Owner and Operator, which is Hitachi Global Storage Technologies, Incorporated.

Unless explicitly stated otherwise, all references to items in this Permit shall refer only to items occurring within the same part.

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PART II. DESCRIPTION OF THE FACILITY AND OWNERSHIP

1. OWNER

The Facility owner is Hitachi Global Storage Technologies, Inc. (hereafter "Owner").

2. OPERATOR

The Facility operator is Hitachi Global Storage Technologies, Inc. (hereafter "Operator").

3. LOCATION

The Facility address is 5600 Cottle Road, San Jose, California, 95193-0001. The Facility is located seven miles southwest of the central business district of San Jose in the Santa Teresa Rancho area southwest of Highway 101 and the Union Pacific Transportation Co. railroad tracks, north of Highway 85, and east of Cottle Road. The Facility occupies approximately 158 acres. The legal description of the Facility property is in Section 2.4 of the Approved Permit Application. The following Santa Clara County Assessor's parcel numbers can be used to describe the Facility: [Assessor's Parcel Numbers and a revised Figure 1 will be provided after the County of Santa Clara records new parcel numbers]. See Figure 1, Assessor's Parcel Maps & Acreage.

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4. DESCRIPTION

The Permittee is responsible for the design, development, manufacture, and Original Equipment Manufacturing (OEM) sales of computer storage products. The Permittee's products include hard disk drives (HDDs), storage management software, and technology components (heads and disks). Manufacturing and development activities involving chemical use are primarily etching, coating, plating, cleaning, and assembly. Chemicals used at the Facility include corrosive acids and bases, halogenated and non-halogenated solvents, lubricants, adhesives, and resins. Hazardous wastes generated from these processes are either treated at the Facility or transported for recycling or disposal at a commercial hazardous waste facility. Treatment processes at the Facility include both chemical and physical treatment (e.g., pH adjustment, precipitation, solvent bulking, etc.). The Permittee also stores hazardous waste at the Facility in containers and tanks.

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Some manufacturing and development activities at the Facility are conducted by tenants in leased buildings. Hazardous wastes generated by tenant operations are similar to those generated by the Permittee's operations. Waste water generated by tenant operations is conveyed via pipes to the permitted waste water treatment units at Building 110. Hazardous waste generated by tenant operations and managed in containers and tanks are not included in this Permit and are managed in accordance with the Standards Applicable to Generators of Hazardous Waste in California Code of Regulations, title 22, sections 66262.10 et seq.

The Facility is zoned for commercial/light industrial use. The area around the Facility is zoned for residential and for commercial/industrial development and consists of residential communities intermixed with commercial areas. There are several small retail shopping malls as well as smaller retail/restaurant businesses in the vicinity of the Facility. One fuel service station is also in the immediate vicinity of the Facility. Highway 85 and the Santa Clara County light rail system are located immediately south of the Facility, and Highway 101 is north of the Facility.

5. FACILITY SIZE AND TYPE FOR FEES

The Facility is categorized as a Large Treatment and Storage facility for the purposes of Health and Safety Code section 25205.19.

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PART III. GENERAL CONDITIONS

1. PERMIT APPLICATION DOCUMENTS

The Part "A" and the Part "B" Applications, Hitachi Global Storage Technologies, Inc. (Operation Plan) dated February 11, 2005, as revised on October 21, 2005, and August 17, 2007, are hereby approved (collectively, the Approved Permit Application) and made a part of this Permit by reference.

2. EFFECT OF PERMIT

(a) The Permittee shall comply with the provisions of the California Health and Safety Code, and Division 4.5 of Title 22, the California Code of Regulations. The issuance of this Permit by DTSC does not release the Permittee from any liability or duty imposed by federal or State statutes or regulations or local ordinances, except the obligation to obtain this Permit. The Permittee shall obtain the permits required by other governmental agencies, including but not limited to, agencies that implement the applicable land use planning, zoning, hazardous waste, air quality, water quality, and solid waste management laws for the construction and/or operation of the Facility.

(b) The Permittee is permitted to treat and store hazardous wastes in accordance with the conditions of this Permit. Any treatment or storage of hazardous wastes not specifically authorized in this Permit is strictly prohibited.

(c) Compliance with the terms of this Permit does not constitute a defense to any action brought under any other law governing protection of public health or the environment, including, but not limited to, one brought for any imminent and substantial endangerment to human health or the environment.

(d) DTSC's issuance of this Permit does not prevent DTSC from adopting or amending regulations that impose additional or more stringent requirements than those in existence at the time this Permit is issued and does not prevent the enforcement of these requirements against the Permittee.

(e) Failure to comply with any term or condition set forth in the Permit in the time or manner specified herein will subject the Permittee to possible enforcement action, including but not limited to, penalties pursuant to Health and Safety Code section 25187.

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(f) In addition, failure to submit any information required in connection with the Permit, or falsification and/or misrepresentation of any submitted information, is grounds for revocation of this Permit (Cal. Code of Regs., tit. 22, § 66270.43).

(g) In case of conflicts between the Approved Permit Application and the Permit, the Permit conditions shall take precedence.

(h) This Permit includes and incorporates by reference any conditions of waste discharge requirements issued by the State Water Resources Control Board or any of the California Regional Water Quality Control Boards and any conditions imposed pursuant to section 13227 of the Water Code.

3. COMPLIANCE WITH CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

A Negative Declaration has been prepared in the accordance with the requirements of Public Resources Code section 21000 et seq. and the CEQA Guidelines, California Code of Regulations, title 14, section 15070 et seq.

4. WASTE MINIMIZATION CERTIFICATION

Pursuant to Health and Safety Code section 25202.9, the Permittee shall certify annually, by March 1 for the previous year ending December 31, that:

(a) The Facility has a program in place to reduce the volume and toxicity of all hazardous wastes outlined in Section 5.0 of the Approved Permit Application, which are generated by the Facility operations to the degree, determined by the Permittee, to be economically practicable.

(b) The method of storage or treatment is the only practicable method or combination of methods currently available to the Facility which minimizes the present and future threat to human health and the environment.

The Permittee shall make this certification, in accordance with California Code of Regulations, title 22, section 66270.11. The Permittee shall submit the certification to Chief, Standardized Permitting and Corrective Action Branch, Department of Toxic Substances Control, 8800 Cal Center Drive, Sacramento, California 95826-3200, and shall record and maintain onsite such certification in the Facility Operating Record.

5. WASTE MINIMIZATION CONDITIONS

(a) The Permittee shall comply with the Hazardous Waste Source Reduction

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and Management Review Act (SB 14) requirements that are specified in Health and Safety Code sections 25244.19, 25244.20 and 25244.21, and any subsequent applicable statutes or regulations promulgated there under. This would include submittal of SB 14 documents to DTSC upon request.

(b) DTSC may require the Permittee to submit a more detailed status report explaining any deviation from, or changes to, the approved waste minimization plan.

6. MODIFICATIONS

(a) The Permittee must request and obtain a permit modification to revise any portion of this Permit. To request such a revision, the Permittee must comply with the procedures for permit modifications set forth in California Code of Regulations, title 22, section 66270.42.

(b) If at any time DTSC determines that modification of any part of this Permit is necessary, DTSC may initiate a modification in accordance with the procedures in California Code of Regulations, title 22, section 66270.41.

7. PERMIT MODIFICATION HISTORY

Modifications to this Permit or the Approved Permit Application identified in Part III.1 of this Permit are allowed as per California Code of Regulations, title 22, sections 66270.41 or 66270.42. All modifications made to this Permit and/or Approved Permit Application are listed and described in Appendix A to this Permit.

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PART IV. PERMITTED UNITS AND ACTIVITIES

This Permit authorizes operation only of the Facility units and activities listed below. The Permittee shall not treat or store hazardous waste in any unit other than those specified in this Part IV. Any modifications to a unit or activity authorized by this Permit require the written approval of DTSC in accordance with the permit modification procedures set forth in California Code Regulations, title 22, section 66270.42.

The waste management activities at this Facility are conducted at: Building 042 for container storage, container rinsing and waste bulking; Central Tank Farm B for storage in tanks; 11 waste vaults for storage in tanks; and, Building 110 for industrial waste water treatment.

Building 042 consists of the following:

- Container storage in 13 Units (rooms) with a total capacity of 88,900 gallons.
- Bottle Washer, Unit 1, located in Acid Storage 2.
- Bottle Washer, Unit 2, located in Base Storage 2
- Waste bulking to combine compatible chemicals into larger containers

The container storage units are presented in Part IV in order of location in Building 042, starting in the northeast corner and moving clockwise.

Central Tank Farm B consists of the following:

- 10 tanks, each with a capacity of 7,000 gallons, for a total capacity of 70,000 gallons.

Waste Vaults consist of the following:

- 11 waste vaults containing 32 tanks with a combined total capacity of 62,712 gallons.

Building 110 consists of the following:

- A Plant, Concentrate Wastewater Treatment System, with a capacity of 400,000 gallons per day.
- D Plant, Organic Treatment System, with a hydraulic capacity of 10,000 gallons per day.
- Total of 17 hazardous waste tanks ranging in size from 500 to 260,000 gallons with a total capacity of 607,409 gallons.
- Filter Press for dewatering of sludge from A Plant.

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UNIT NAME:

Acid Storage 1

LOCATION:

Acid Storage 1 is located in the northeast corner of Building 042 as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. Acid Storage 1 has a floor area of 704 square feet (32 feet by 22 feet). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

5,000 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in Acid Storage 1 are:

Acid Wastes	Acid Oxidizing Wastes
Labpack Wastes	General Wastes

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RCRA HAZARDOUS WASTE CODES:

D001	D002	D003	D004	D005	D006	D007
D008	D009	D010	D011	U035	U123	NA

CALIFORNIA WASTE CODES:

132	133	134	135	141	181	352
512	513	551	561	721	722	723
724	726	727	728	791	792	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Acid Storage 2

LOCATION:

Acid Storage 2 is located in the northeast corner of Building 042, south of Acid Storage 1, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. Acid Storage 2 has a floor area of 672 square feet (32 feet by 21 feet). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

2,000 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in Acid Storage 2 are:

Acid Wastes	Acid Oxidizing Wastes
Labpack Wastes	General Wastes

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RCRA HAZARDOUS WASTE CODES:

D001	D002	D003	D004	D005	D006	D007
D008	D009	D010	D011	U035	U123	NA

CALIFORNIA WASTE CODES:

132	133	134	135	141	181	352
512	513	551	561	721	722	723
724	726	727	728	791	792	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Special Storage

LOCATION:

Special Storage is located in the northeast part of Building 042, west of Acid Storage 2, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. Special Storage has a floor area of 357 square feet (21 feet by 17 feet). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

1,200 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in Special Storage are:

Poison Wastes	PCB Wastes
Labpack Wastes	General Wastes
Carcinogens	Universal Wastes

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RCRA HAZARDOUS WASTE CODES:

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D004	D005	D006	D007	D008	D009	D010
D011	D012	D020	D021	D023	D024	D025
D026	D027	D028	D029	D032	D034	D036
D038	D039	D040	D042	F007	U009	U052
U056	U070	U071	U072	U080	U092	U127
U134	U144	U151	U188	U190	U196	U208
U209	U210	U211	P022	P030	P098	P104
P105	P106	P113	P120	NA	NA	NA

CALIFORNIA WASTE CODES:

261	551	711	721	722	723	724
725	726	727	728	731	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Acid Storage 3

LOCATION:

Acid Storage 3 is located in the northeast corner of Building 042, south of Acid Storage 2, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. Acid Storage 3 has a floor area of 2,484 square feet (54 feet by 46 feet). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

10,000 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in Acid Storage 3 are:

Acid Wastes	Labpack Wastes
General Wastes	Universal Wastes

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RCRA HAZARDOUS WASTE CODES:

D001	D002	D003	D004	D005	D006	D007
D008	D009	D010	D011	U035	U123	NA

CALIFORNIA WASTE CODES:

132	133	134	135	141	181	352
512	513	551	561	721	722	723
724	726	727	738	791	792	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Oxidizer Storage

LOCATION:

Oxidizer Storage is located in the east side of Building 042, south of Acid Storage 3 and east of General Storage 3, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. Oxidizer Storage has a floor area of 688 square feet (43 feet by 16 feet). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

1,000 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in Oxidizer Storage are:

Oxidizer Wastes Labpack Wastes
General Wastes

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RCRA HAZARDOUS WASTE CODES:

D001	D002	D003	NA	NA	NA	NA

CALIFORNIA WASTE CODES:

551	352	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

General Storage 1

LOCATION:

General Storage 1 is located in the east side of Building 042, south of Oxidizer Storage and General Storage 3, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. General Storage 1 has a floor area of 8,162 square feet (53 feet by 154 feet). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

10,000 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in General Storage 1 are:

General Wastes Universal Wastes
Labpack Wastes

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RCRA HAZARDOUS WASTE CODES:

D005	D006	D007	D008	D010	D011	F001
F002	F003	F005	NA	NA	NA	NA

CALIFORNIA WASTE CODES:

132	133	134	141	151	171	181
221	223	281	291	311	331	341
342	343	351	352	461	491	512
513	551	561	611	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Base Storage 2

LOCATION:

Base Storage 2 is located in the southeast corner of Building 042, south of General Storage 1, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. Base Storage 2 has a floor area of 1,932 square feet (46 feet by 42 feet). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

8,000 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in Base Storage 2 are:

Base Wastes Labpack Wastes
General Wastes

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RCRA HAZARDOUS WASTE CODES:

D002	D004	D005	D006	D007	D008	D009
D010	D011	U404	NA	NA	NA	NA

CALIFORNIA WASTE CODES:

121	122	123	132	133	134	135
141	181	512	513	551	721	722
723	724	726	727	728	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Flammable Storage 1

LOCATION:

Flammable Storage 1 is located in the southwest corner of Building 042, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. Flammable Storage 1 has a floor area of 5,058 square feet (90 feet by 47 feet plus 23 feet by 36 feet). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

20,000 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in Flammable Storage 1 are:

Flammable Wastes	Combustible Wastes
Labpack Wastes	General Wastes
Universal Wastes	

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RCRA HAZARDOUS WASTE CODES:

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D001	D002	D018	D019	D020	D021	D022
D027	D028	D029	D032	D034	D035	D036
D038	D039	D040	F001	F002	F003	F005
U001	U002	U003	U019	U031	U037	U044
U052	U070	U071	U072	U080	U112	U117
U127	U134	U144	U151	U154	U159	U196
U208	U209	U210	U211	U213	U220	U226
U227	U228	U239	NA	NA	NA	NA

CALIFORNIA WASTE CODES:

151	181	211	212	213	214	221
223	241	251	252	272	281	291
311	331	341	342	343	351	352
461	491	512	513	551	611	741
751	NA	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Flammable Storage 2

LOCATION:

Flammable Storage 2 is located in the west side of Building 042, north of Flammable Storage 1, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. Flammable Storage 2 has a floor area of 4,489 square feet (67 feet by 67). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

10,000 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in Flammable Storage 2 are:

Flammable Wastes	Combustible Wastes
Labpack Wastes	General Wastes
Universal Wastes	

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RCRA HAZARDOUS WASTE CODES:

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D001	D002	D018	D019	D020	D021	D022
D027	D028	D029	D032	D034	D035	D036
D038	D039	D040	F001	F002	F003	F005
U001	U002	U003	U019	U031	U037	U044
U052	U070	U071	U072	U080	U112	U117
U127	U134	U144	U151	U154	U159	U196
U208	U209	U210	U211	U213	U220	U226
U227	U228	U239	NA	NA	NA	NA

CALIFORNIA WASTE CODES:

151	181	211	212	213	214	221
223	241	251	252	272	281	291
311	331	341	342	343	351	352
461	491	512	513	551	611	741
751	NA	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Flammable Storage 3

LOCATION:

Flammable Storage 3 is located in the west side of Building 042, north of Flammable Storage 2, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. Flammable Storage 3 has a floor area of 3,484 square feet (67 feet by 52). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

10,000 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in Flammable Storage 3 are:

Flammable Wastes	Combustible Wastes
Labpack Wastes	General Wastes
Universal Wastes	

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RCRA HAZARDOUS WASTE CODES:

D001	D002	D018	D019	D020	D021	D022
D027	D028	D029	D032	D034	D035	D036
D038	D039	D040	F001	F002	F003	F005
U001	U002	U003	U019	U031	U037	U044
U052	U070	U071	U072	U080	U112	U117
U127	U134	U144	U151	U154	U159	U196
U208	U209	U210	U211	U213	U220	U226
U227	U228	U239	NA	NA	NA	NA

CALIFORNIA WASTE CODES:

151	181	211	212	213	214	221
223	241	251	252	272	281	291
311	331	341	342	343	351	352
461	491	512	513	551	611	741
751	NA	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

General Storage 2

LOCATION:

General Storage 2 is located in the west side of Building 042, north of Flammable Storage 3, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. General Storage 2 has a floor area of 2,430 square feet (54 feet by 45). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

2,500 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in General Storage 2 are:

General Wastes Labpack Wastes
Universal Wastes

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RCRA HAZARDOUS WASTE CODES:

D005	D006	D007	D008	D010	D011	F001
F002	F003	F005	NA	NA	NA	NA

CALIFORNIA WASTE CODES:

132	133	134	141	151	171	181
221	223	281	291	311	331	341
342	343	351	352	461	491	512
513	551	561	611	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Cold Storage

LOCATION:

Cold Storage is located in the west side of Building 042, west of General Storage 2 and south of Base Storage 1, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. Cold Storage has a floor area of 392 square feet (28 feet by 14). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

2,000 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in Cold Storage are:

Labpack Wastes	Combustible Wastes
Flammable Wastes	General Wastes

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RCRA HAZARDOUS WASTE CODES:

D001	D002	D018	D019	D020	D021	D022
D027	D028	D029	D032	D034	D035	D036
D038	D039	D040	F001	F002	F003	F005
U001	U002	U003	U019	U031	U037	U044
U052	U070	U071	U072	U080	U112	U117
U127	U134	U144	U151	U154	U159	U196
U208	U209	U210	U211	U213	U220	U226
U227	U228	U239	NA	NA	NA	NA

CALIFORNIA WASTE CODES:

211	212	213	214	221	223	281
343	551	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Base Storage 1

LOCATION:

Base Storage 1 is located in the west side of Building 042, north of General Storage 2, as shown on Approved Permit Application drawing, "Building 042." Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2).

ACTIVITY TYPE:

Storage in containers

ACTIVITY DESCRIPTION:

Hazardous wastes are stored in a variety of containers including, but not limited to, drums, cans, bottles, and cartons. The wastes are delivered to Building 042 (Chemical Distribution Center) from manufacturing and development activities at the Facility and segregated based on the hazardous properties of the wastes. Depending upon the container that is delivered to Building 042, some of the wastes are repackaged into D.O.T. / UN approved containers for storage and shipment.

PHYSICAL DESCRIPTION:

Building 042 is a one-story building with steel framing and interior concrete masonry unit walls. Base Storage 1 has a floor area of 682 square feet (31 feet by 22). The room may also be used to store chemical products and non-hazardous waste chemicals with similar properties. The floor is reinforced concrete and the walls are constructed on 4 to 8 inch high concrete curbs monolithic with the floor. The floor and curbs are epoxy-urethane or vinyl ester coated.

MAXIMUM CAPACITY:

6,100 gallons.

WASTE TYPES:

Types of hazardous wastes allowed to be stored in Base Storage 1 are:

Base Wastes	Labpack Wastes
General Wastes	Universal Wastes.

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RCRA HAZARDOUS WASTE CODES:

D002	D004	D005	D006	D007	D008	D009
D010	D011	U404	NA	NA	NA	NA

CALIFORNIA WASTE CODES:

121	122	123	132	133	134	135
141	181	421	512	513	551	721
722	723	724	726	727	728	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

Containers holding hazardous waste shall not be stacked, except 1-cubic yard boxes and 55-gallon drums on pallets may be stacked two (2) high.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Bottle Washer, Unit 1

LOCATION:

Bottle Washer, Unit 1 is located near the east wall in Acid Storage 2 in Building 042. Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2)

ACTIVITY TYPE:

Treatment of empty containers

ACTIVITY DESCRIPTION:

Containers with a remaining residue are emptied by a variety of techniques including aspirating, pouring, pumping, etc. Empty containers are placed in the Bottle Washer located in either Acid Storage 2 or Base Storage 2. The specific Bottle Washer used depends on the hazardous properties (e.g. acid, base, oxidizer, organic, etc.) of the chemicals previously held by the container. The rinsate from Bottle Washer, Unit 1 is discharged to tank T-1 in Waste Vault 27 and subsequently pumped for further treatment to the on-site Industrial Waste Water Treatment Facility at Building 110, A Plant. Rinsed containers are disposed of in a sanitary landfill, returned to the vendor, if appropriate, or otherwise recycled.

PHYSICAL DESCRIPTION:

Bottle Washer, Unit 1 is a Model #5500 Better Built Cage Washer manufactured by Vernitron Medical Products. The manufacture's specifications for the Vernitron Medical Products Model 5500 are not available, but the machine is similar in size and operation to Container Rinsing Machine 2. Emptied containers are placed on removable racks that are placed inside the rinsing machine. Pressurized water spray is used to rinse the containers.

MAXIMUM CAPACITY:

There is no appropriate measure of maximum capacity for the container rinsing activity. Typically, less than 750 pounds of containers are rinsed per week per bottle washer.

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WASTE TYPES:

Empty containers. The types of chemicals or waste previously held in containers that are allowed to be treated in Bottle Washer, Unit 1 are:

Acid Wastes
Corrosive Oxidizer Wastes
General Wastes

RCRA HAZARDOUS WASTE CODES:

D001	D002	D005	D007	D008	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

135	726	791	792	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

The Permittee shall not rinse in the same batch containers that previously held wastes with incompatible properties.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Not applicable to these treatment activities.

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UNIT NAME:

Bottle Washer, Unit 2

LOCATION:

Bottle Washer, Unit 2 is located near the east wall in Base Storage 2 in Building 042. Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2)

ACTIVITY TYPE:

Treatment of empty containers.

ACTIVITY DESCRIPTION:

Containers with a remaining residue are emptied by a variety of techniques including aspirating, pouring, pumping, etc. Empty containers are placed in one of two Bottle Washers located in either Acid Storage 2 or Base Storage 2. The specific Bottle Washer used depends on the hazardous properties (e.g. acid, base, oxidizer, organic, etc.) of the chemicals previously held by the container. The rinsate from Bottle Washer, Unit 2 is discharged to tank T-3 in Waste Vault 28 and subsequently pumped for further treatment to the on-site Industrial Waste Water Treatment Facility at Building 110, A Plant. Rinsed containers are disposed of in a sanitary landfill, returned to the vendor, if appropriate, or otherwise recycled.

PHYSICAL DESCRIPTION:

Bottle Washer, Unit 2 is a Model #SW-5500 Cage and Bottle Washer manufactured by Scientek. The exterior cabinet size is approximately 69 inches wide by 61 inches deep by 80 inches high. The pump motor is 7.5 horsepower. Emptied containers are placed on removable racks that are placed inside the rinsing machine. Pressurized water spray is used to rinse the containers.

MAXIMUM CAPACITY:

There is no appropriate measure of maximum capacity for the container rinsing activity. Typically, less than 750 pounds of containers are rinsed per week per Bottle Washer.

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WASTE TYPES:

Empty containers. The types of chemicals or waste previously held in containers allowed to be treated in Bottle Washer, Unit 2 are:

Base Wastes Flammable Wastes
General Wastes

RCRA HAZARDOUS WASTE CODES:

D002	D005	D007	D008	NA	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

121	122	135	726	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

The Permittee shall not rinse in the same batch containers that previously held wastes with incompatible properties.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Not applicable to these treatment activities.

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UNIT NAME:

Chemical/Solids Bulking

LOCATION:

Chemical and solids bulking activities are conducted in Acid Storage 2 and Flammable Storage 1 in Building 042. Building 042 is located in the southeastern portion of the Facility, south of Building 004 and northwest of Building 050. (See Figure 2)

ACTIVITY TYPE:

Treatment (bulking) of waste in containers

ACTIVITY DESCRIPTION:

Chemicals and chemically contaminated solids having similar hazardous properties are combined from smaller containers into larger containers, typically 55-gallon drums or 1 cubic yard fiberboard boxes. Material chemical compatibility is assessed from information provided by the waste's generator as described in the Approved Permit Application, section 5 and subsection 6.3.1.2.

PHYSICAL DESCRIPTION:

Bulking operations occur in Acid Storage 2 and Flammable Storage 1. Chemicals or solid/debris wastes are poured or pumped from smaller containers into larger containers.

MAXIMUM CAPACITY:

There is no appropriate measure of maximum capacity for chemical/solids bulking. Typically, less than 250 gallons of acid wastes are bulked in Acid Storage 2 and less than 25 gallons per week of flammable solvents are bulked in Flammable Storage 1. Typically, less than 600 pounds of chemical solids/debris are bulked per week.

WASTE TYPES:

Types of hazardous wastes allowed to be bulked are:

Acid Wastes Flammable Wastes
General Wastes

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RCRA HAZARDOUS WASTE CODES:

Acid Bulking					
D001	D002	D003	D004	D005	D006
D007	D008	D010	D011	NA	NA
Solvent Bulking					
D001	D008	D010	D011	D018	D019
D020	D021	D022	D027	D028	D029
D035	D038	F001	F002	F003	F005
General Waste Bulking					
F001	F002	F003	F005	D007	D008
D010	D011	NA	NA	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

Acid Bulking					
132	133	134	135	141	561
722	723	724	726	727	728
791	792	NA	NA	NA	NA
Solvent Bulking					
211	212	213	214	221	223
281	331	341	342	343	741
General Waste Bulking					
132	133	134	221	223	291
351	352	461	491	751	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

The Permittee shall not combine wastes with incompatible properties into the same container.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1086 (Standards: Containers), the Permittee shall control air pollutant emissions from containers in accordance with the Container Level 1 standards.

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UNIT NAME:

Central Tank Farm B

LOCATION:

Central Tank Farm B is located near Endicott Boulevard in the eastern part of the Facility, east of Building 004 and north of Building 050. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Solvent wastes generated from manufacturing and development processes are piped or transported to tanks in Central Tank Farm B for accumulation prior to shipment to authorized commercial recycling or disposal facilities for final disposition. Two tanks are used for accumulation of rainwater collected from within the Central Tank Farm B secondary containment structure. The accumulated rainwater is piped to Building 110 for treatment and/or disposal to the sewer.

PHYSICAL DESCRIPTION:

The capacity, material of construction and type of wastes stored in the tanks at Central Tank Farm B are listed in Table IV-1.

Table IV-1 Tanks at Tank Farm B

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
CTF-B	T-2	7,000	Stainless Steel	Contaminated Rainwater
CTF-B	T-3	7,000	Stainless Steel	Contaminated Rainwater
CTF-B	T-8	7,000	Stainless Steel	Non-Chlorinated Hydrocarbon Solvent Waste, Spare
CTF-B	T-9	7,000	Stainless Steel	Non-Chlorinated Hydrocarbon Solvent Waste, Spare
CTF-B	T-10	7,000	Stainless Steel	Non-Chlorinated Hydrocarbon Solvent Waste / PGMEA

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Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
CTF-B	T-11	7,000	Stainless Steel	Non-Chlorinated Hydrocarbon Solvent Waste / PGMEA
CTF-B	T-12	7,000	Stainless Steel	Non-Chlorinated Hydrocarbon Solvent Waste/ IPA
CTF-B	T-13	7,000	Stainless Steel	Non-Chlorinated Hydrocarbon Solvent Waste / IPA
CTF-B	T-16	7,000	Stainless Steel	N-Methyl-2-Pyrrolidone Waste
CTF-B	T-17	7,000	Stainless Steel	N-Methyl-2-Pyrrolidone Waste

MAXIMUM CAPACITY:

See Table IV-1 for maximum capacity of each tank at Central Tank Farm B.

WASTE SOURCES:

Table IV-2 lists all tank storage systems, including piping, that are used to convey waste solvents to Central Tank Farm B.

Table IV-2 Waste Sources for Central Tank Farm B

Location	Tank #	Type of Waste	Destination Tank
WV-67	T-9	Non-Chlorinated Hydrocarbon Solvent Waste, PGMEA	CTF-B T-10 and T-11
WV-67	T-6	Non-Chlorinated Solvent Waste, IPA	CTF-B T-12 and T-13
WV-29	T-2	N-methyl-2-pyrrolidone	WV-67 T-60
WV-67	T-60	N-methyl-2-pyrrolidone	CTF-B T-16 and T17

WASTE TYPES:

See Table IV-1 for types of waste stored in each tank at Central Tank Farm B.

RCRA HAZARDOUS WASTE CODES:

D001	F001	F002	F003	F005	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

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214	212	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

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No later than 14 days prior to use of a "spare" tank after any period of inactivity greater than 6 months, Permittee shall submit to DTSC a written notification describing the intended use of the tank and a written statement meeting the requirements of California Code of Regulations, title 22, subsection 66264.191(f). Tanks T-8 and T-9 at Central Tank Farm B are identified as "spare" tanks (See Table IV-1).

AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS (SUBPART BB):

Pursuant to California Code of Regulations, title 22, section 66264.1050 (Applicability), the Permittee shall control air pollutant emissions from equipment that contains or contacts hazardous wastes with organic concentrations of at least 10 percent by weight in accordance with the applicable equipment standards and requirements in California Code of Regulations, title 22, sections 66264.1052 through 66264.1065.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1084 (Standards: Tanks), the Permittee shall control air pollutant emissions from tanks T-8, T-9, T-10, T-11, T-12, T-13, T-16, and T-17 at Central Tank Farm B in accordance with the Tank Level 1 controls.

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UNIT NAME:

Waste Vault 03

LOCATION:

Waste Vault 03 is located outside of Building 003. Building 003 is located in the central portion of the Facility, south of Building 002. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Wastes generated from manufacturing and development processes are accumulated in tanks located in waste vaults outside of the manufacturing buildings. Pipelines in trenches and tunnels transport specific wastes to the Industrial Waste Water Treatment Facility in Building 110. Waste pipelines are shown on Map 17, Waste Collection Piping Plan, in the Approved Permit Application. Wastes found to not be suitable for treatment at the Facility shall be shipped to authorized commercial recycling or disposal facilities for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste stored in tanks at Waste Vault 03 are listed in Table IV-3. Waste Vault 03 is shown on drawing, "Waste Vault 03, Building 003," in the Approved Permit Application.

Table IV-3 Tanks at Waste Vault 03

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-03	TA-1020A	3,000	Fiberglass	Brine Waste and Deionized Regeneration
WV-03	TA-1020B	3,000	Fiberglass	Brine Waste and Deionized Regeneration

MAXIMUM CAPACITY:

See Table IV-3 for maximum capacity of each tank at Waste Vault 03.

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WASTE TYPES:

See Table IV-3 for types of waste stored in each tank at Waste Vault 03.

RCRA HAZARDOUS WASTE CODES:

D002	NA	NA	NA	NA	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

122	135	791	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Does not apply to tanks at Waste Vault 03.

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UNIT NAME:

Waste Vault 08

LOCATION:

Waste Vault 08 is located between Building 006 and Building 007. Building 006 is located in the central portion of the Facility. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Wastes generated from manufacturing and development processes are accumulated in tanks located in waste vaults outside of the manufacturing buildings. Pipelines in trenches and tunnels transport specific wastes to the Industrial Waste Water Treatment Facility in Building 110. Waste pipelines are shown on Map 17, Waste Collection Piping Plan, in the Approved Permit Application. Wastes found to not be suitable for treatment at the Facility shall be shipped to authorized commercial recycling or disposal facilities for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste stored in tanks at Waste Vault 08 are listed in Table IV-4. Waste Vault 08 is shown on drawing, "Waste Vault 08, Building 006 Exterior," in the Approved Permit Application.

Table IV-4 Tanks at Waste Vault 08

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-08	T-15	2,700	Fiberglass Inner & outer	Heavy Metal Waste Water
WV-08	T-16	2,700	Fiberglass Inner & outer	Heavy Metal Waste Water

MAXIMUM CAPACITY:

See Table IV-4 for maximum capacity of each tank at Waste Vault 08.

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WASTE TYPES:

See Table IV-4 for types of waste stored in each tank at Waste Vault 08.

RCRA HAZARDOUS WASTE CODES:

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D002	D005	D007	D008	NA	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

121	122	123	132	135	722	723
724	726	791	792	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Does not apply to tanks at Waste Vault 08.

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UNIT NAME:

Waste Vault 12

LOCATION:

Waste Vault 12 is located outside of Building 100. Building 100 is located in the central portion of the Facility, near Endicott Boulevard. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Wastes generated from manufacturing and development processes are accumulated in tanks located in waste vaults outside of the manufacturing buildings. Tanks located in waste vaults also are used to store wastes generated from spills. Pipelines in trenches and tunnels transport specific wastes to the Industrial Waste Water Treatment Facility in Building 110. Waste pipelines are shown on Map 17, Waste Collection Piping Plan, in the Approved Permit Application. Wastes found to not be suitable for treatment at the Facility shall be shipped to authorized commercial recycling or disposal facilities for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste stored in tanks at Waste Vault 12 are listed in Table IV-5. Waste Vault 12 is shown on drawing, "Waste Vault 12, Building 100 Exterior," in the Approved Permit Application.

Table IV-5 Tanks at Waste Vault 12

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-12	T-18	1,200	Steel	Non-Chlorinated Hydrocarbon Solvent - Spare
WV-12	T-19	1,200	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste)

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MAXIMUM CAPACITY:

See Table IV-5 for maximum capacity of each tank at Waste Vault 12.

WASTE TYPES:

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See Table IV-5 for types of waste stored in each tank at Waste Vault 12.

RCRA HAZARDOUS WASTE CODES:

Not Applicable.

CALIFORNIA HAZARDOUS WASTE CODES:

134	NA	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS (SUBPART BB):

Pursuant to California Code of Regulations, title 22, section 66264.1050 (Applicability), the Permittee shall control air pollutant emissions from equipment that contains or contacts hazardous wastes with organic concentrations of at least 10 percent by weight in accordance with the applicable equipment standards and requirements in California Code of Regulations, title 22, sections 66264.1052 through 66264.1065.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1084 (Standards: Tanks), the Permittee shall control air pollutant emissions from tank T-19 at Waste Vault 12 in accordance with the Tank Level 1 controls.

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UNIT NAME:

Waste Vault 19

LOCATION:

Waste Vault 19 is located outside of Building 004 on the southeast side. Building 004 is located in the central portion of the Facility. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Wastes generated from manufacturing and development processes are accumulated in tanks located in waste vaults outside of the manufacturing buildings. Pipelines in trenches and tunnels transport specific wastes to the Industrial Waste Water Treatment Facility in Building 110. Waste pipelines are shown on Map 17, Waste Collection Piping Plan, in the Approved Permit Application. Wastes found to not be suitable for treatment at the Facility shall be shipped to authorized commercial recycling or disposal facilities for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste stored in the tank at Waste Vault 19 are listed in Table IV-6. Waste Vault 19 is shown on drawing, "Waste Vault 19, Building 004 Exterior, South," in the Approved Permit Application.

Table IV-6 Tank at Waste Vault 19

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-19	T-1	5,000	Fiberglass	Brine Waste and Deionized Regeneration

MAXIMUM CAPACITY:

See Table IV-6 for maximum capacity of the tank at Waste Vault 19.

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WASTE TYPES:

See Table IV-6 for type of waste stored in the tank at Waste Vault 19.

RCRA HAZARDOUS WASTE CODES:

D002	NA	NA	NA	NA	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

122	135	791	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Does not apply to tank at Waste Vault 19.

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UNIT NAME:

Waste Vault 25

LOCATION:

Waste Vault 25 is located outside of Building 004 on the southwest side. Building 004 is located in the central portion of the Facility. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Wastes generated from manufacturing and development processes are accumulated in tanks located in waste vaults outside of the manufacturing buildings. Pipelines in trenches and tunnels transport specific wastes to the Industrial Waste Water Treatment Facility in Building 110. Waste pipelines are shown on Map 17, Waste Collection Piping Plan, in the Approved Permit Application. Wastes found to not be suitable for treatment at the Facility shall be shipped to authorized commercial recycling or disposal facilities for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste stored in tanks at Waste Vault 25 are listed in Table IV-7 Waste Vault 25 is shown on drawing, "Waste Vault 25, Building 004," in the Approved Permit Application.

Table IV-7 Tanks at Waste Vault 25

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-25	T-202	2,200	Fiberglass	Heavy Metal Waste Water
WV-25	T-203	982	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste)

MAXIMUM CAPACITY:

See Table IV-7 for maximum capacity of each tank at Waste Vault 25.

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WASTE TYPES:

See Table IV-7 for types of waste stored in each tank at Waste Vault 25.

RCRA HAZARDOUS WASTE CODES:

D002	D005	D007	D008	NA	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

121	122	123	132	135	722	723
724	726	791	792	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1084 (Standards: Tanks), the Permittee shall control air pollutant emissions from tank T-203 at Waste Vault 25 in accordance with the Tank Level 1 controls.

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UNIT NAME:

Waste Vault 26

LOCATION:

Waste Vault 26 is located outside of Building 050 on the northwest side. Building 050 is located on the southeast portion of the Facility. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Wastes generated from manufacturing and development processes are accumulated in tanks located in waste vaults outside of the manufacturing buildings. Tanks located in waste vaults also are used to store wastes generated from spills in secondary containment systems. Pipelines in trenches and tunnels transport specific wastes either to the Industrial Waste Water Treatment Facility in Building 110 or to storage tanks at Central Tank Farm B. Waste pipelines are shown on Map 17, Waste Collection Piping Plan, in the Approved Permit Application. Wastes found to not be suitable for treatment at the Facility shall be shipped to authorized commercial recycling or disposal facilities for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste stored in tanks at Waste Vault 26 are listed in Table IV-8 Waste Vault 26 is shown on drawing, "Waste Vault 26, Building 050, Exterior," in the Approved Permit Application.

Table IV-8 Tanks at Waste Vault 26

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-26	T-2	5,000	Steel	Brine Waste
WV-26	T-3	5,000	Steel	Spill Tank
WV-26	T-4	5,000	Steel	Spare
WV-26	T-10	1,200	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste) - Spare
WV-26	T-11	1,200	Steel	Spare

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Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-26	T-19	1,200	Steel	Mixed Non-Chlorinated Hydrocarbon Solvent Waste, Spare
WV-26	T-20	1,200	Steel	Spare

MAXIMUM CAPACITY:

See Table IV-8 for maximum capacity of each tank at Waste Vault 26.

WASTE TYPES:

See Table IV-8 for types of waste stored in each tank at Waste Vault 26.

RCRA HAZARDOUS WASTE CODES:

D002	NA	NA	NA	NA	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

122	135	791	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

No later than 14 days prior to use of a "spare" tank after any period of inactivity greater than 6 months, Permittee shall submit to DTSC a written notification describing the intended use of the tank and a written statement meeting the requirements of California Code of Regulations, title 22, subsection 66264.191(f). Tanks T-4, T-10, T-11, T-19, and T-20 at Waste Vault 26 are identified as "spare" tanks (see Table IV-8).

AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS (SUBPART BB):

Pursuant to California Code of Regulations, title 22, section 66264.1050 (Applicability), the Permittee shall control air pollutant emissions from equipment that contains or contacts hazardous wastes with organic concentrations of at least 10 percent by weight in accordance with the applicable equipment standards and requirements in California Code of Regulations, title 22, sections 66264.1052 through 66264.1065.

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AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Does not apply to tanks at Waste Vault 26.

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UNIT NAME:

Waste Vault 27

LOCATION:

Waste Vault 27 is located outside of Building 042 on the north side. Building 042 is located in the southeastern portion of the Facility, west of Building 050. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Wastes generated from waste treatment (container rinsing) and from spills in secondary containment systems are accumulated in tanks located in waste vaults outside of Building 042. Pipelines in trenches and tunnels transport specific wastes to the Industrial Waste Water Treatment Facility in Building 110. Waste pipelines are shown on Map 17, Waste Collection Piping Plan, in the Approved Permit Application. Wastes found to not be suitable for treatment at the Facility shall be shipped to authorized commercial recycling or disposal facilities for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste stored in tanks at Waste Vault 27 are listed in Table IV-9. Waste Vault 27 is shown on drawing, "Waste Vault 27, Building 042 Exterior," in the Approved Permit Application.

Table IV-9 Tanks at Waste Vault 27

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-27	T-1	2,500	Fiberglass inner & outer	Heavy Metal Waste Water (Acid Bottle Wash Waste)
WV-27	T-2	1,000	Fiberglass inner & outer	Base Spill/General Spill
WV-27	T-3	1,000	Steel inner & outer	Non-Chlorinated Hydrocarbon Solvent Spill
WV-27	T-4	1,000	Fiberglass inner & outer	Acid Spill

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MAXIMUM CAPACITY:

See Table IV-9 for maximum capacity of each tank at Waste Vault 27.

WASTE TYPES:

See Table IV-9 for types of waste stored in each tank at Waste Vault 27.

RCRA HAZARDOUS WASTE CODES:

D001	D002	D003	D004	D005	D006	D007
D008	D009	D010	D011	D018	D019	D020
D021	D022	D027	D028	D029	D032	D034
D035	D036	D038	D039	D040	F001	F002
F003	F005	U001	U002	U003	U019	U031
U035	U037	U044	U052	U070	U071	U072
U080	U112	U117	U123	U127	U134	U144
U151	U154	U159	U196	U208	U209	U210
U211	U213	U220	U226	U227	U228	U234

CALIFORNIA HAZARDOUS WASTE CODES:

121	122	123	132	133	134	135
141	151	181	211	212	213	214
221	223	241	251	252	281	291
311	331	341	342	343	351	352
461	491	512	513	551	561	611
721	722	723	724	725	726	727
728	741	751	791	792	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS (SUBPART BB):

Pursuant to California Code of Regulations, title 22, section 66264.1050 (Applicability), the Permittee shall control air pollutant emissions from equipment that contains or contacts hazardous wastes with organic concentrations of at least 10 percent by weight in accordance with the applicable equipment standards and requirements in California Code of Regulations, title 22, sections 66264.1052 through 66264.1065.

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AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1084 (Standards: Tanks), the Permittee shall control air pollutant emissions from tank T-3 at Waste Vault 27 in accordance with the Tank Level 1 controls.

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UNIT NAME:

Waste Vault 28

LOCATION:

Waste Vault 28 is located outside of Building 042 on the east side. Building 042 is located in the southeastern portion of the Facility, west of Building 050. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Wastes generated from waste treatment (container rinsing) and from spills in secondary containment systems are accumulated in tanks located in waste vaults outside of Building 042. Pipelines in trenches and tunnels transport specific wastes to the Industrial Waste Water Treatment Facility in Building 110. Waste pipelines are shown on Map 17, Waste Collection Piping Plan, in the Approved Permit Application. Wastes found to not be suitable for treatment at the Facility shall be shipped to authorized commercial recycling or disposal facilities for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste stored in tanks at Waste Vault 28 are listed in Table IV-10. Waste Vault 28 is shown on drawing, "Waste Vault 28, Building 042 Exterior," in the Approved Permit Application.

Table IV-10 Tanks at Waste Vault 28

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-28	T-1	1,000	Fiberglass inner & outer	Base Spill/General Spill
WV-28	T-2	2,000	Steel inner & outer	Non-Chlorinated Hydrocarbon Solvent Spill
WV-28	T-3	1,200	Fiberglass inner & outer	Heavy Metal Waste Water (Base Bottle Wash Waste)

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MAXIMUM CAPACITY:

See Table IV-10 for maximum capacity of each tank at Waste Vault 28.

WASTE TYPES:

See Table IV-10 for types of waste stored in each tank at Waste Vault 28.

RCRA HAZARDOUS WASTE CODES:

D001	D002	D004	D005	D006	D007	D008
D009	D010	D011	D018	D019	D020	D021
D022	D027	D028	D029	D032	D034	D035
D036	D038	D039	D040	F001	F002	F003
F005	U001	U002	U003	U019	U031	U037
U044	U052	U070	U071	U072	U080	U112
U117	U127	U134	U144	U151	U154	U159
U196	U208	U209	U210	U211	U213	U220
U226	U227	U228	U239	U404	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

121	122	123	132	133	134	135
141	151	181	211	212	213	214
221	223	241	251	252	281	291
311	331	341	342	343	351	352
461	491	512	513	551	561	611
721	722	724	726	727	728	741
751	NA	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS (SUBPART BB):

Pursuant to California Code of Regulations, title 22, section 66264.1050 (Applicability), the Permittee shall control air pollutant emissions from equipment that contains or contacts hazardous wastes with organic concentrations of at least 10 percent by weight in accordance with the applicable equipment standards and requirements in California Code of Regulations, title 22, sections 66264.1052 through 66264.1065.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE

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IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1084 (Standards: Tanks), the Permittee shall control air pollutant emissions from tank T-2 at Waste Vault 28 in accordance with the Tank Level 1 controls.

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UNIT NAME:

Waste Vault 29

LOCATION:

Waste Vault 29 is located outside of Building 015 on the north side. Building 015 is located on the western portion of the Facility, west of Building 007. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Wastes generated from manufacturing and development processes are accumulated in tanks located in waste vaults outside of the manufacturing buildings. Pipelines in trenches and tunnels transport specific wastes to storage tanks at Central Tank Farm B. Waste pipelines are shown on Map 17, Waste Collection Piping Plan, in the Approved Permit Application. Wastes found to not be suitable for treatment at the Facility shall be shipped to authorized commercial recycling or disposal facilities for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste stored in the tank at Waste Vault 29 are listed in Table IV-11. Waste Vault 29 is shown on drawing, "Waste Vault 29, Building 015," in the Approved Permit Application.

Table IV-11 Tank at Waste Vault 29

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-29	T-2	30	Steel	N-Methyl-2-Pyrrolidone Waste

MAXIMUM CAPACITY:

See Table IV-11 for maximum capacity of the tank at Waste Vault 29.

WASTE TYPES:

See Table IV-11 for types of waste stored in the tank at Waste Vault 29.

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RCRA HAZARDOUS WASTE CODES:

Not Applicable.

CALIFORNIA HAZARDOUS WASTE CODES:

214	NA	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS (SUBPART BB):

Pursuant to California Code of Regulations, title 22, section 66264.1050 (Applicability), the Permittee shall control air pollutant emissions from equipment that contains or contacts hazardous wastes with organic concentrations of at least 10 percent by weight in accordance with the applicable equipment standards and requirements in California Code of Regulations, title 22, sections 66264.1052 through 66264.1065.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1084 (Standards: Tanks), the Permittee shall control air pollutant emissions from tank T-2 at Waste Vault 29 in accordance with the Tank Level 1 controls.

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UNIT NAME:

Waste Vault 45

LOCATION:

Waste Vault 45 is located in association with the Hitachi GST 50-Megawatt generator adjacent to the PG&E Substation. The Hitachi GST 50-Megawatt generator is located in the central portion of the Facility south of Building 008. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Wastes generated from power generation activities at the PG&E Substation are accumulated in a tank located in an outside waste vault. Wastes found to not be suitable for treatment at the Facility shall be shipped to authorized commercial recycling or disposal facilities for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste stored in the tank at Waste Vault 45 are listed in Table IV-12. Waste Vault 45 is shown on drawing, "Waste Vault 45," in the Approved Permit Application.

Table IV-12 Tank at Waste Vault 45

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-45	T-101	2,500	Steel	Water / Fuel Oil Waste

MAXIMUM CAPACITY:

See Table IV-12 for maximum capacity of the tank at Waste Vault 45.

WASTE TYPES:

See Table IV-12 for types of waste stored in the tank at Waste Vault 45.

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RCRA HAZARDOUS WASTE CODES:

Not Applicable.

CALIFORNIA HAZARDOUS WASTE CODES:

133	NA	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS (SUBPART BB):

Pursuant to California Code of Regulations, title 22, section 66264.1050 (Applicability), the Permittee shall control air pollutant emissions from equipment that contains or contacts hazardous wastes with organic concentrations of at least 10 percent by weight in accordance with the applicable equipment standards and requirements in California Code of Regulations, title 22, sections 66264.1052 through 66264.1065.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1084 (Standards: Tanks), the Permittee shall control air pollutant emissions from tank T-101 at Waste Vault 45 in accordance with the Tank Level 1 controls.

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UNIT NAME:

Waste Vault 67

LOCATION:

Waste Vault 67 is located outside of Building 067. Building 067 is located in the central portion of the site between Buildings 006 and 007. (See Figure 2)

ACTIVITY TYPE:

Storage in tanks

ACTIVITY DESCRIPTION:

Wastes generated from manufacturing and development processes are accumulated in tanks located in waste vaults outside of the manufacturing buildings. Tanks located in waste vaults also are used to store wastes generated from spills or rainwater collected in secondary containment systems. Pipelines in trenches and tunnels transport specific wastes either to the Industrial Waste Water Treatment Facility in Building 110 or to storage tanks at Central Tank Farm B. Waste pipelines are shown on Map 17, Waste Collection Piping Plan, in the Approved Permit Application. Wastes found to not be suitable for treatment at the Facility shall be shipped to authorized commercial recycling or disposal facilities for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste stored in tanks at Waste Vault 67 are listed in Table IV-13. Waste Vault 67 is shown in drawing, "Waste Vault 67, Building 067," in the Approved Permit Application.

Table IV-13 Tanks at Waste Vault 67

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-67	T-6	1,000	Steel	Non-Chlorinated Solvent Waste / Isopropyl Alcohol
WV-67	T-7	1,000	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste)
WV-67	T-8	1,000	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste)
WV-67	T-9	1,000	Steel	Non-Chlorinated Hydrocarbon

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Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
				Solvent Waste (PGMEA)
WV-67	T-60	1,000	Steel	N-Methyl-2-Pyrrolidone Waste
WV-67	T-63	1,000	Steel	Non-Chlorinated Hydrocarbon Solvent Waste
WV-67	T-64	2,700	Steel	Non-Chlorinated Hydrocarbon Spill / Rainwater

MAXIMUM CAPACITY:

See Table IV-13 for maximum capacity of each tank at Waste Vault 67.

WASTE TYPES:

See Table IV-13 for types of waste stored in each tank at Waste Vault 67.

RCRA HAZARDOUS WASTE CODES:

D001	F001	F002	F003	F005	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

212	214	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS (SUBPART BB):

Pursuant to California Code of Regulations, title 22, section 66264.1050 (Applicability), the Permittee shall control air pollutant emissions from equipment that contains or contacts hazardous wastes with organic concentrations of at least 10 percent by weight in accordance with the applicable equipment standards and requirements in California Code of Regulations, title 22, sections 66264.1052 through 66264.1065.

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AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1084 (Standards: Tanks), the Permittee shall control air pollutant emissions from tanks T-6, T-7, T-8, T-9, T-60, and T-63 at Waste Vault 67 in accordance with the Tank Level 1 controls.

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UNIT NAME:

Building 110, A Plant

LOCATION:

Building 110 is located near Endicott Boulevard in the north central part of the Facility, east of Building 001. (See Figures 2)

ACTIVITY TYPE:

Treatment in tanks

ACTIVITY DESCRIPTION:

Building 110, A Plant, treats metal-bearing waste waters by pH adjustment and chemical precipitation. The waste waters are generated by the Permitee and tenant manufacturing and utility operations at the Facility. Chemicals used in the treatment process include but are not limited to the following: metal precipitant, coagulant aid, polymers, acid solution, caustic solution, and sodium hypochlorite. After final treatment, the water is plumbed to the sanitary sewer. The sludge is pumped to filter press located in Building 110, B Plant, for dewatering into cake. The filter cake must be sent to an authorized commercial hazardous waste facility for final disposition.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste treated in tanks at Building 110, A Plant, are listed in Table IV-14. Building 110, A Plant, is shown on drawings, "Building 110A Basement," and "Building110 A, C, D First Floor," in the Approved Permit Application.

Table IV-14 Tanks at Building 110, A Plant

Location	Tank#	Maximum Capacity (Gallons)	Material of Construction	Waste Type
B110A-0	T-1	500	Fiberglass	Building Sump Tank System
B110A-0	T-702A	260,000	Fiberglass-Inner Fiberglass-Outer	Heavy Metal Waste Water
B110A-0	T-702B	260,000	Fiberglass-Inner Fiberglass-Outer	Heavy Metal Waste Water
B110A-1	T-301	2,500	Steel	Heavy Metal Waste Water (Flocculated)

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Location	Tank#	Maximum Capacity (Gallons)	Material of Construction	Waste Type
B110A-1	T-302A	2,500	Steel	Heavy Metal Waste Water (Flocculated)
B110A-1	T-703A	16,850	Carbon Steel (Double Walled)	Sludge Thickener
B110A-1	T-703B	4,559	Carbon Steel (Double Walled)	Sludge Decant
B110A-1	T-704	5,250	Fiberglass	Heavy Metal Waste Water
B110A-1	T-705	5,250	Fiberglass	Heavy Metal Waste Water
B110A-1	T-706	1,750	Fiberglass	Heavy Metal Waste Water
B110A-1	T-711	750	Fiberglass	Sludge
B110A-1	T-792	1,800	Steel	Sludge

MAXIMUM CAPACITY:

Building 110, A Plant, has a design maximum capacity of 400,000 gallons per day (277 gpm continuous), which is also the maximum allowable capacity. See Table IV-14 for maximum allowable capacity of each tank at Building 110, A Plant.

WASTE SOURCES:

The tank storage systems, including piping, that are used to convey Heavy Metal Waste Water to Building 110, A Plant, are listed in Table IV-15.

Table IV-15 Waste Sources for Building 110, A Plant

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-03	TA-1020A	3,000	Fiberglass	Brine Waste and Deionized Regeneration
WV-03	TA-1020B	3,000	Fiberglass	Brine Waste and Deionized Regeneration
WV-08	T-15	2,700	Fiberglass – inner Fiberglass - inner	Heavy Metal Waste Water
WV-08	T-16	2,700	Fiberglass – inner Fiberglass - inner	Heavy Metals Waste Water
WV-19	T-1	5,000	Fiberglass	Brine Waste and Deionized Regeneration

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Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-25	T-202	2,200	Fiberglass	Heavy Metal Waste Water
WV-26	T-2	5,000	Steel	Brine Waste
WV-27	T-1	2,500	Fiberglass-Inner Fiberglass-Outer	Heavy Metal Waste Water (Acid Bottle Wash Waste)
WV-28	T-3	1,200	Fiberglass-Inner Fiberglass-Outer	Heavy Metals Waste Water (Base Bottle Wash Water)

WASTE TYPES:

Building 110, A Plant, receives and treats Heavy Metal Waste Water. Heavy Metal Waste Water consists of rinse waters from the manufacturing processes that contain metals (e.g. zinc, copper, nickel, etc.) and dilute concentrations of acids and bases.

RCRA HAZARDOUS WASTE CODES:

D002	D005	D007	D008	NA	NA	NA

CALIFORNIA HAZARDOUS WASTE CODES:

121	122	123	132	135	722	723
724	726	791	792	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Does not apply to tanks at Building 110, Plant A.

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UNIT NAME:

Building 110, D Plant

LOCATION:

Building 110 is located near Endicott Boulevard in the north central part of the Facility, east of Building 001. (See Figures 2)

ACTIVITY TYPE:

Treatment in tanks

ACTIVITY DESCRIPTION:

Building 110, D Plant, treats waste water contaminated with low concentrations of process solvents (scrubber wastes). The waste primarily consists of condensate from steam cleaning of carbon beds, which absorb vapor solvents produced in manufacturing units and air abatement systems. The waste is collected in T-5, a 10,000 gallon tank. Due to specific gravity, the water and organic solvents are separated. The organic layer (or immiscible layer) is pumped to the fixed film bioreactor where bacteria grow on fixed surfaces. Nutrients and air are also supplied to the fixed film. The remaining waste water is then drained by gravity to the organic neutralization tank and then to the two parallel Rotating Biological Contactors (RBCs). The RBCs contain a 2 to 4 mm thick microorganism grown on the surface of round contactors. Part of each contactor is submerged in the liquid. When the contactors rotate, the attached biomass obtains organic compounds as substrate or food when it is submerged and gets oxygen when it is exposed. In this process, more bacteria grow and attach to the contactors. Because of the limitation of the substrate and oxygen supply to the inner layer some bacteria "die" and fall off the contactors into the waste water as suspended solids. The flow of the treated waste water is collected in an effluent sump and then pumped to Building 110, A plant. The only chemical used in this process is Bio-Nutrient.

PHYSICAL DESCRIPTION:

The capacity, material of construction, and type of waste treated in tanks at Building 110, D Plant, are listed in Table IV-16. Building 110, D Plant, is shown on drawings, "Building 110A Basement," and "Building110 A, C, D First Floor," in the Approved Permit Application.

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Table IV-16 Tanks at Building 110, D Plant

Location	Tank#	Maximum Capacity (Gallons)	Material of Construction	Waste Type
B110D-1	T-5	10,000	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste)
B110D-1	T-801A	11,500	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste) (Rotating Biological Contactor)
B110D-1	T-801B	11,500	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste) (Rotating Biological Contactor)
B110D-1	T-801D	12,200	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste) (Fixed Film Reactor)
B110D-1	T-767	500	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste)

MAXIMUM CAPACITY:

Building 110, D Plant has an allowed maximum hydraulic capacity of 10,000 gallons per day. See Table IV-16 for the allowed maximum capacity of the tanks at Building 110, D Plant.

WASTE SOURCES:

The tank storage systems, including piping, that are used to convey Scrubber Waste to Building 110, D Plant, are listed in Table IV-17.

Table IV-17 Waste Sources for Building 110, D Plant

Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-12	T-19	1,200	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste)
WV-25	T-203	982	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste)
WV-26	T-10	1,200	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste), Spare
WV-67	T-7	1,000	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste)

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Location	Tank #	Maximum Storage Capacity (Gallons)	Material of Construction	Type of Waste
WV-67	T-8	1,000	Steel	Non-Chlorinated Dilute Solvent Waste (Scrubber Waste)

WASTE TYPES:

Building 110, D Plant, receives and treats Non-Chlorinated Dilute Solvent Waste (Scrubber Waste) containing organic solvents such as propylene glycol methyl ether acetate (PGMEA), isopropyl alcohol (IPA), acetone, n-methyl-2-pyrrolidone (NMP), etc.

RCRA HAZARDOUS WASTE CODES:

None.

CALIFORNIA HAZARDOUS WASTE CODES:

134	NA	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Pursuant to California Code of Regulations, title 22, section 66264.1084 (Standards: Tanks), the Permittee shall control air pollutant emissions from tanks at Building 110, D Plant, in accordance with the Tank Level 1 controls.

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UNIT NAME:

Filter Press

LOCATION:

The Filter Press is located in the southeast corner of the second floor in Building 110B. Building 110B is located near Endicott Boulevard in the north central part of the Facility, east of Building 001. (See Figures 2)

ACTIVITY TYPE:

Treatment in miscellaneous unit

ACTIVITY DESCRIPTION:

The metal-bearing sludge from Building 110, A Plant, is pumped to the Filter Press for dewatering into cake. The filter cake is sent to a commercial hazardous waste facility for final disposition.

PHYSICAL DESCRIPTION:

The filter press is shown on drawing, "Building 110B Second Floor". The horizontal filter press consists of sixty-one 48 inch square vertical plates which are pressed together between fixed and moveable ends. Each plate, except the two end plates, has a recessed area on each side which is covered with polypropylene filter media. Additional information on the Filter Press can be found in Section 6.0, Appendix I of the Approved Permit Application.

MAXIMUM CAPACITY:

The daily amount of sludge produced from the filter press is approximately 1,100 pounds.

WASTE SOURCE:

The sludge waste for the Filter Press is received from Building 110, A Plant, Tank T-703B, Sludge Decant.

WASTE TYPES:

Sludge waste from treatment of rinse waters from the manufacturing processes that contain metals (e.g. zinc, copper, nickel, etc.) and dilute concentrations of acids and bases.

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RCRA HAZARDOUS WASTE CODES:

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None.

CALIFORNIA HAZARDOUS WASTE CODES:

171	NA	NA	NA	NA	NA	NA

UNIT SPECIFIC SPECIAL CONDITIONS:

None.

AIR EMISSION STANDARDS FOR CONTAINERS, TANKS, AND SURFACE IMPOUNDMENTS (SUBPART CC):

Does not apply to Filter Press.

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PART V. SPECIAL CONDITIONS APPLICABLE TO THE ENTIRE FACILITY'S STORAGE AND/OR TREATMENT UNITS

1. The Permittee shall submit to DTSC a corrected Parcel Map to replace Figure 1 of this Permit within 90 days after the County of Santa Clara records the parcel numbers associated with the sale of the Parcel O-6 property to the City of San Jose. [The Permittee completed the requirements of this condition on May 12, 2006.]

2. The Permittee shall only manage hazardous waste generated at the Facility by the Permittee. This restriction does not apply to hazardous waste streams generated by Facility tenant operations and treated in the Industrial Waste Water Treatment Facility at Building 110.

3. The Permittee shall only manage the hazardous waste streams identified in Appendix 5A of the Approved Permit Application.

4. Hazardous waste shall not be disposed at the Facility.

5. The "maximum capacity" allowed for each container storage unit at Building 042 is based on the capacities of the containers, not the actual quantities of material held in the containers. The sum of the volumetric capacity of all containers in the storage unit, regardless of whether the container holds hazardous waste, non-hazardous waste, or chemical product, shall not exceed the maximum capacity listed in the Permit for the storage unit.

6. The Permittee shall not store hazardous wastes in containers at the Facility for more than one year.

7. Due to shared spill containment capacity for Building 042 and Building 042 Annex, the Permittee shall insure that the volume of containers in the Acid Storage Bay and the Base Storage Bay in Building 042 Annex does not exceed 4,800 gallons in each Bay. The shared spill containment tanks for Building 042 and 042 Annex are listed in Table V-1. The maximum volumes of containers allowed in the Building 042 Annex Acid Storage Bay and Base Storage Bay are listed in **bold type** in Table V-1.

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Table V-1: Shared Spill Containment for Buildings 042 and 042 Annex

Building	Container Storage Rooms	Maximum Volume (gallons)	Spill Containment
042	Acid Storage 1	5,000	WV-27, Tank 4
042	Acid Storage 2	2,000	WV-27, Tank 4
042	Acid Storage 3	10,000	WV-27, Tank 4
042	Base Storage 1	6,100	WV-27, Tank 2
042 Annex	Acid Storage Bay	**4,800**	WV-27, Tank 4
042 Annex	Base Storage Bay	**4,800**	WV-27, Tank 2

8. The Permittee is responsible for operation of the shared spill containment tanks and waste vaults 27 and 28 in accordance with California Code of Regulations, title 22, subsection 66264.175(b)(5). If the tenant fails to adequately manage spilled or leaked waste originating from Building 042 Annex, then the Permittee shall properly manage the spilled or leaked waste as required by California Code of Regulations, title 22, subsection 66264.175(b)(5).

9. The Permittee shall submit to DTSC a corrected Parcel Map to replace Figure 1 of this Permit within 90 days after the County of Santa Clara records the new parcel numbers for the Facility after the sale of the Redevelopment Property.

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PART VI. CORRECTIVE ACTION

1. The Permittee is required to conduct corrective action at the Facility pursuant to Health and Safety Code section 25200.10. International Business Machines Corporation (IBM) was the previous owner, operator, and permittee at this Facility and surrounding property. IBM is continuing to conduct corrective action for this Facility and surrounding property under the oversight of the Regional Water Quality Control Board, San Francisco Bay Region, pursuant to Order No. R2-2002-0082, Final Site Cleanup Requirements and Rescission of Order No. 88-157, adopted August 20, 2002. DTSC reserves its right under Health and Safety Code sections 25200.10 and 25187 to require the Permittee to comply with additional corrective action requirements for the protection of human health and the environment.

2. IBM was issued a Hazardous Waste Facility Permit in April 1985 for this Facility and surrounding property. IBM's permitted facility comprised approximately 510 acres. Between 1990 and 2000, IBM sold approximately 159 acres of its facility to a variety of purchasers. In January 2003, IBM sold 332 acres of its remaining permitted facility to the Permittee and IBM retained ownership of approximately 19 acres. The 19 acres retained by IBM and the 159 acres that were part of IBM's original facility, as defined in the April 1985 permit, remain subject to corrective action in accordance with Health and Safety Code section 25200.10. DTSC reserves its right to require corrective action on these 178 acres under Health and Safety Code sections 25200.10 and 25187.

3. In the event the Permittee identifies an immediate or potential treat to human health and/or the environment, discovers new releases of hazardous waste and/or hazardous constituents, or discovers new Solid Waste Management Units (SWMUs) not previously identified, the Permittee shall notify DTSC orally within 24 hours of discovery and notify DTSC in writing within 10 days of such discovery, summarizing the findings including the immediacy and magnitude of any potential threat to human health and/or the environment. Forty-six SWMUs were previously identified in the RCRA Facility Assessment Report prepared by DTSC in December 1991.

4. DTSC may require the Permittee to investigate, mitigate and/or take other applicable action to address any immediate or potential threats to human health and/or the environment and newly identified releases of hazardous waste and/or hazardous constituents. For newly identified SWMUs, the Permittee is required to conduct corrective action. Corrective action will be carried out under Health and Safety Code, Section 25187.

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5. Permittee conducted corrective action concerning arsenic and asbestos contamination for Parcel O-6 pursuant to the Corrective Action Consent Agreement, dated February 18, 2005. Permittee submitted to DTSC the "Completion Report for Implementation of Removal Action Work Plan (RAW), Parcel O-6," dated October 14, 2005, and on November 17, 2005, DTSC made a Corrective Action Complete without Controls determination for Parcel O-6.

6. Permittee conducted corrective action concerning soil contamination for the Redevelopment Property pursuant to the Corrective Action Consent Agreement, dated June 7, 2006. Permittee submitted to DTSC Completion Reports for the nine Soil Inspection/Sampling Plan Attachments and the final Current Conditions Report, dated . Based on this information on month dd, year, DTSC made a Corrective Action Complete without Controls determination for the Redevelopment Property, excluding the chloroform impacted area in the vicinity of the former Building 028J.

7. Permittee shall conduct corrective action concerning the chloroform impacted area in the vicinity of the former Building 028J pursuant to the Corrective Action Consent Agreement, dated month dd, year.

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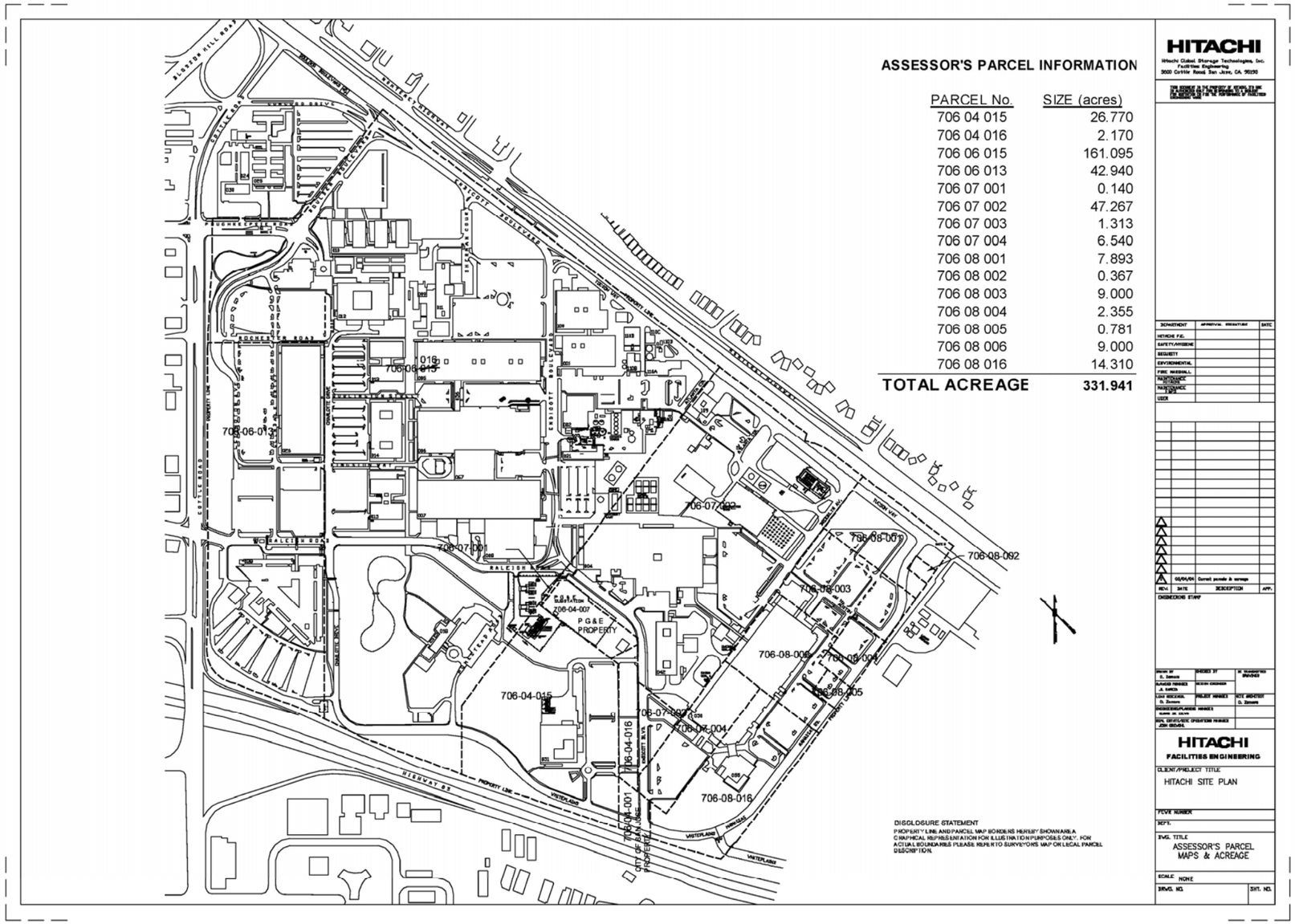

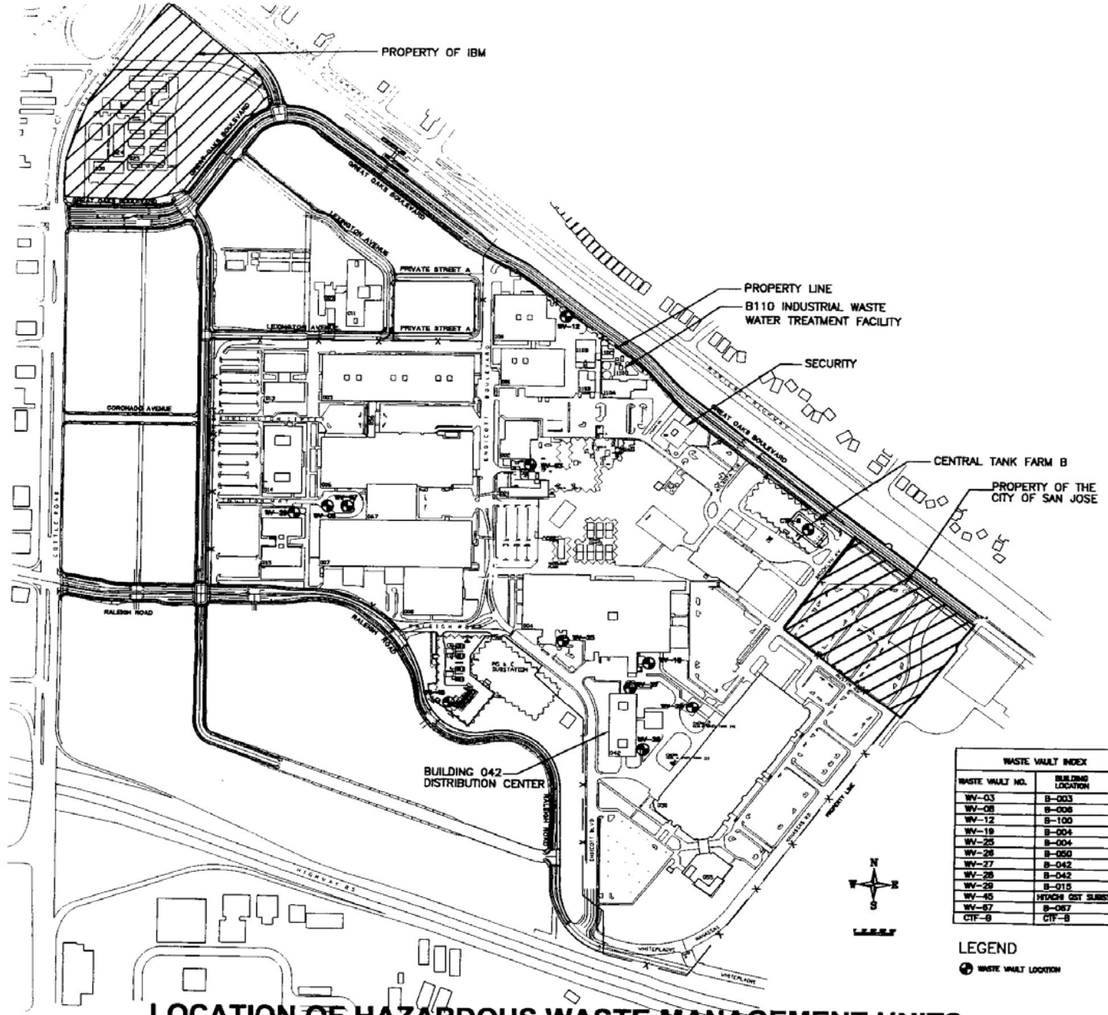

LOCATION OF HAZARDOUS WASTE MANAGEMENT UNITS
FIGURE - 2

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APPENDIX A

PERMIT MODIFICATION HISTORY

June 22, 2005

A Class 1 Permit Modification was approved to replace pumps, controls and associated piping in the Building 110A (Industrial Waste Water Treatment Plant) sump system. The modification request was dated May 23, 2005. [DTSC inadvertently failed to include this action in the Permit Modification History when the Permit was modified on November 17, 2005.]

November 17, 2005

A Class 1* Permit Modification was approved to remove Parcel O-6 from the Facility boundary, to remove the requirement for corrective action for Parcel O-6, and to revise the Permit format to incorporate the permit modification history. As part of this modification, DTSC also updated the description of the Approved Permit Application to reflect that it was revised on October 21, 2005. The changes made to the Permit were:

1. The cover page was revised to add a permit modification number and date. The citation and description of the permit action were changed to reflect a permit modification instead of a new permit.

2. The Table of Contents was revised to add the Permit condition Part III.7, Permit Modification History, and Appendix A, Permit Modification History.

3. Permit condition Part I.2, the definition of "Facility," was revised to change the size of the Facility to 321 acres.

4. Permit condition Part II.3, Location, was revised to remove reference to Parcel O-6 and change the size of the Facility to 321 acres.

5. Permit condition Part III.1 was changed to include the revision date for the Approved Permit Application on October 21, 2005. (See Notes below for further explanation.)

6. Permit condition Part III.7, Permit Modification History was added.

7. Permit condition Part V.1 was revised to change the timing for submittal of a corrected Parcel Map to replace Figure 1 of this Permit to 90 days after the County of Santa Clara records the parcel numbers associated with the sale of the Parcel O-6 property to the City of San Jose.

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8. Permit condition Part VI.2 was revised to remove reference to the out-dated size of the permitted Facility. The size of the permitted Facility is not necessary for the intent of the permit condition. The permit condition clarifies that corrective action requirements still apply to 178 acres of the original facility, as defined in the April 1985 permit.

9. Permit condition Part VI.5, which required corrective action for Parcel O-6, was replaced with a description of the completion of the corrective action on Parcel O-6.

10. Appendix A, Permit Modification History was added.

11. The Permit headers were changed to add the revision date and the increased number of pages in the permit.

Notes: Revisions to Approved Permit Application

In a letter dated October 21, 2005, DTSC accepted two certification reports for pump system replacement in Waste Vault 8 and DTSC incorporated the reports into the Approved Permit Application. The reports were, "Design Certification Report, Heavy Metal Waste Modifications Project, Waste Vault 8 Area of Work, 2005," and "Installation Certification Report, Heavy Metal Waste Modifications Project, Waste Vault 8 Area of Work, 2005." Both reports were dated September 1, 2005, and certified by Mr. Donald H. Cook, a Mechanical Engineer, registered in California. These reports certified work completed in conjunction with a previously approved modification to the prior permit. The Class 1 permit modification application concerning the work was submitted on June 2, 2004, and became effective on July 2, 2004, which was prior to the effective date of this current Permit. The Approved Permit Application was revised on October 21, 2005, to incorporate these two recently submitted certification reports. The November 17, 2005 Permit modification reflects the October 21, 2005 revision of the Approved Permit Application in Part III.1. of the modified Permit.

November 30, 2005

A Class 1 Permit Modification was approved to add a new segment of the Heavy Metals Waste line at Building 004 to connect with the existing Tank T-202 in Waste Vault 25. The modification request was dated October 31, 2005.

January 20, 2006

A Class 1* Permit Modification was approved to change the closure schedule for Tank T-2 in Waste Vault 29. Tank T-2 was cleaned and closed, but not removed, and Waste Vaulit 29 was not closed. The modification request was dated November 1, 2005.

January 20, 2006

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A Class 1* Permit Modification was approved to change the closure schedule for Tank T-63 in Waste Vault 67. Tank T-63 was cleaned and closed, but not removed, and Waste Vault 67 was not closed. The modification request was dated November 1, 2005.

July 28, 2006

A Class 1 Permit Modification was approved to install a flow meter in the existing influent line to Tank 801-D located in Building 110. The modification request was dated July 25, 2006.

May 11, 2007

A Class 1* Permit Modification was approved for installation of four tie-ins to the permitted piping on the roof of Building 006 and to remove approximately 20 feet of unneeded vent piping (a change in the closure schedule for the vent piping). The modification request was dated July 31, 2006.

Draft August 31, 2007

DTSC initiated a permit modification to implement corrective action decisions concerning the Redevelopment Property and to remove the Redevelopment Property from the permitted facility boundary. DTSC revised Appendix A, Permit Modification History to include Class 1 and Class 1* permit modifications approved since November 17, 2005, which was the last time a modified permit document was prepared. DTSC also made minor editorial and formatting changes. DTSC made the following changes to the Permit:

1. The cover page was changed to describe the current permit modification.

2. In Condition II.3., Location, the acreage of the Facility was reduced to 158 acres due to the removal of the Redevelopment Property and the list of Assessor's Parcel Numbers was deleted. After the County of Santa Clara records new parcel numbers for the Facility property remaining in the Permit, then the new parcel numbers will be listed in the Permit and Figure 1 will be revised.

3. In Condition III.1, Permit Application Documents, the date of the revised Part A and Part B Applications was added. The Part A and Part B were revised August 17, 2007, to remove the Redevelopment Property, including changes to maps and the Contingency Plan.

4. Condition V.1 was revised with addition of a note indicating that the Permittee had completed the permit condition requirements on May 12, 2006.

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5. Condition V.9 was added to require the Permittee to submit a corrected Parcel Map to replace Figure 1 after the County of Santa Clara records new parcel numbers after the sale of the Redevelopment Property.

6. Condition VI.6 was added to document the Corrective Action Complete without Controls determination for the Redevelopment Property, excluding the chloroform impacted area in the vicinity of former Building 028J.

7. Condition VI.7 was added to require the Permittee to conduct corrective action for the chloroform impacted area pursuant to the Corrective Action Consent Agreement, dated month dd, year.

8. Figure 2, Location of Hazardous Waste Management Units, was replaced with a new figure showing the new Facility boundary after the removal of the Redevelopment Property.

9. Appendix A, Permit Modification History, was updated with descriptions of the Class 1 and Class 1* modifications approved since November 17, 2005. Also added was a Class 1 modification approved on June 22, 2005, which was inadvertently left out of the November 17, 2005 Permit.

10. The significant editorial changes were to: re-paginate the document, revise the Table of Contents, and change the Permit revision date in the header.

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